

DEFENSE SYSTEMS



stellartech.com

LORID SENSING

Stellar Technology

Pressure, Load/Force/Torque, Displacement, and Temperature Sensors

Defense Systems Solutions



Pressure Sensors

- Pressure Ranges from 1 to 100,000 PSI
- Absolute, Gage, True Gage, Differential, Vacuum, Barometric
- Accuracies to 0.05% FSO.
- High Frequency Response
- All Welded Stainless Steel (17-4, 15-5, Inconel, Monel, Hastelloy)
- mV/V, Analog or Digital Outputs (including RS232, RS485, CANbus)
- Internal Data Logger Versions
- Designs Submersible to 12,000 ft. of Seawater
- Space-Rated Electronics
- Comprehensive Calibration Records are Standard
- Engineered-to-Order Custom Designs

Load Cells, Force Sensors, Reaction Torque Sensors

- Load Ranges from Grams to 2 Million lbf
- Tension, Compression, and Tension & Compression
- Complete Selection of Standard and Special Configurations
- Constructed of Stainless Steel, Carbon Steel, or Aluminum
- Miniature and Subminiature Versions
- mV/V, Analog or Digital Outputs (including RS232, RS485, CANbus)
- Multiple Bridge Configurations
- Internal Data Logger Versions
- Designs Submersible to 12,000 ft. of Seawater
- Comprehensive Calibration Records are Standard
- Engineered-to-Order Custom Designs



Our Specialty...
**CUSTOM
ENGINEERING**

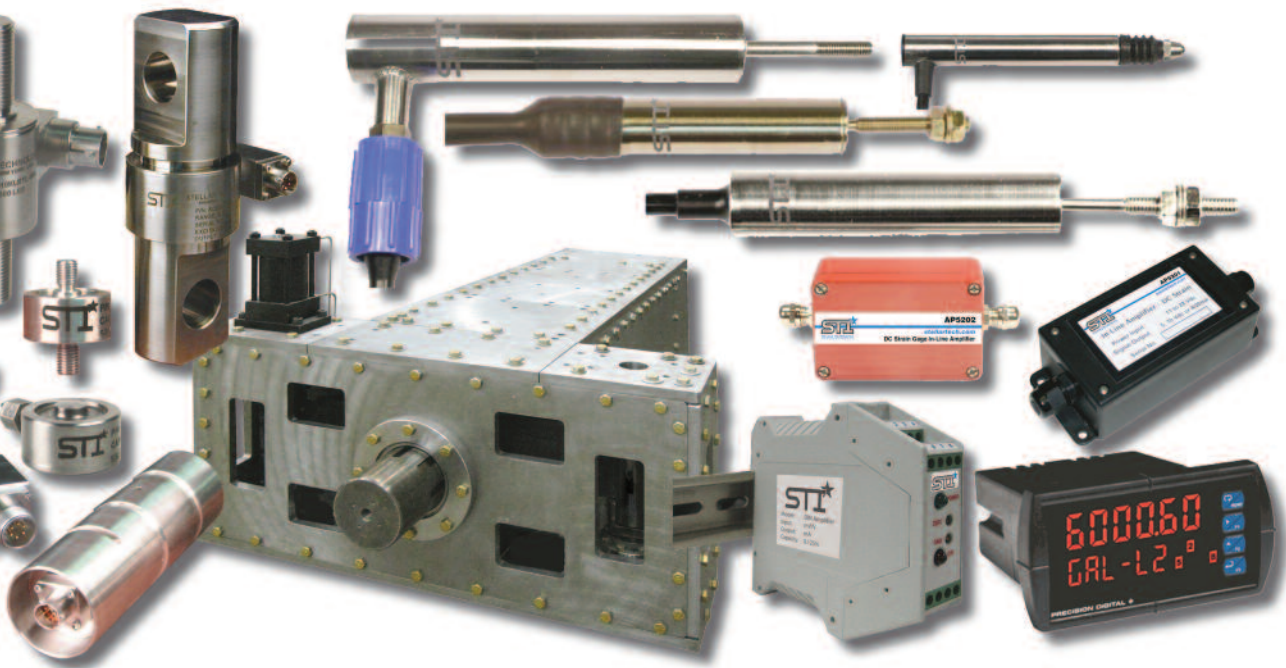


Sensors for Defense Systems

Modern defense systems often employ innovative technologies. Many of these technically advanced systems rely on sensors during the research and development stage or even through to field applications. Stellar Technology's comprehensive selection of pressure transducers and pressure transmitters, load cells, force sensors, reaction torque transducers, temperature sensors, and LVDT displacement sensors can provide the design engineers and technical specialists with many sensor application solutions; land-based, airborne, marine, or in space.

Stellar Technology's engineering expertise, proven sensor technology, field experience, and manufacturing capabilities provide customers with high reliability sensors for the broad range of defense applications. Our engineering and manufacturing center in Amherst, New York, is uniquely designed to deliver both standard products and custom-engineered special products. Rely on Stellar Technology to add value to your test and measurement solution.

Defense Systems Solutions



LVDT Displacement Sensors

- Stroke Ranges from ± 0.01 in. to ± 18.5 in.
- Linearities from 1% to 0.1%
- Spring Guided, Captive Guided, Free Unguided Armatures
- AC and DC Versions
- All Welded Stainless Steel
- Precision Gauging Units with Air Push Armatures
- Submersible Designs
- Subsea Versions Submersible to 7500 ft. of Seawater

Temperature Transducers and Transmitters

- Temperature Ranges from -320°F to $+750^{\circ}\text{F}$
- No Thermowell Required
- Customer Specified Probe Lengths
- All Welded Stainless Steel Construction
- Hermetically Sealed
- Dual Temperature and Pressure Configurations
- Analog and Digital Outputs (Including RS232, RS485, CANbus)
- Customer Specified Process Connections
- ATEX, CSA Intrinsically Safe Certifications



Our Specialty...
CUSTOM ENGINEERING



Defense Systems Sensors For:

- Jet Engine Test Stands
- Ballistics Testing
- Rocket/Missile Thrust Tests
- Materials Endurance and Fatigue Testing
- Armament defense Systems
- Marine Propulsion Systems
- ROV/AUV Controls
- Cargo Loading Systems
- Aircraft Cargo Deployment Systems
- Target Towing Arrays (Air, Land, Sea)
- Hoisting System Hook Loads
- Ship-to-Ship Transfer Systems
- Jet Fuel Analyzers
- Calibration Systems
- Oceanographic Mapping
- Structural Analysis
- Armored Vehicle Turret Controls
- Proof-of-Concept Testing
- defense Satellites and Launch Systems
- Ship Board Diagnostic Systems for Aircraft
- Submarine Air, Water, Fuel Systems
- Biomechanics
- Missile Guidance Systems
- Robotic Controls
- Fuel Storage and Delivery Systems

Call: **716.250.1900**

